

THREE PHASE ON-GRID INVERTER



ASN-(70-110)TL

KEY FEATURES



String current
up to 32A



Wide MPPT
voltage range



Max. efficiency
98.6%



Optional
AFCI function



Optional
anti-backflow



I-V curve scan

	ASN-70TL	ASN-75TL	ASN-80TL	ASN-90TL	ASN-100TL	ASN-110TL
Input DC						
Max.input power	105kW	112.5kW	120kW	135kW	150kW	165kW
Max.input voltage	1100V					
Rated voltage	620V					
Start-up voltage	195V					
MPPT voltage range	180-1000V					
Max.input current	5*32A		6*32A		10*32A	
Max.short circuit current	5*50A		6*50A		10*50A	
MPPT number	5		6		10	
Max. input strings number	10		12		20	
Output AC						
RRated output power	70kW	75kW	80kW	90kW	100kW	110kW
Max.apparent output power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Max.output power	77kW	82.5kW	88kW	99kW	110kW	121kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE					
Rated grid frequency	50Hz/60Hz					
Rated grid output current	101A	108.3A	115.5A	130A	144.5A	158.8A
Max.output current	111.1A	119.1A	127A	143A	158.8A	174.6A
Power factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	< 3%					
Efficiency						
Max. efficiency	98.50%			98.60%		
EU efficiency	98.30%			98.30%		
China efficiency	98%			98.10%		
Protection						
Integrated DC switch	Yes					
DC reverse-polarity protection	Yes					
Anti-islanding protection	Yes					
Short circuit protection	Yes					
Output over current protection	Yes					
DC Surge protection	Type II					
AC Surge protection	Type II;Optional:Type I					
Insulation impedance detection	Yes					
Ground fault monitoring	Yes					
Residual leakage current detection	Yes					
Temperature protection	Yes					
Strings monitoring	Yes					
Anti-backflow	Optional					
Integrated AFCI (DC arc-fault circuit protection)	Optional					
I/V Curve scanning	Optional					
24-hour load monitoring	Optional					
General Data						
Dimensions (W*H*D)	1007*668*357mm					
Weight	75kg				90kg	
Self consumption(night)	< 2W					
Operating temperature range	-30...+60°C					
Cooling concept	Fan-cooling					
Max. operation altitude	4000m (Derating above 3000m)					
Relative humidity	0~100%					
Ingress protection	IP66					
Topology structure	Transformerless					
Grid connection standard	NB/T 32004,EN50549-1,IEC 61727,IEC 62116					
Safety/EMC standard	IEC/EN 62109-1/2,EN IEC 61000-6-2/4,EN IEC 61000-3-11,EN 61000-3-12					
Type of DC terminal	MC4 connector					
Type of AC terminal	OT terminal					
Display&Communication						
Display	LED+Bluetooth+APP					
Communication Interface	RS485,Optional:WIFI,4G,PLC					

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.